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## Amendments to the claims:

frames per second;

1. (currently amended)

An automatic vehicle exterior light control, comprising:

an image array sensor configured to capture at least one frame;

a controller configured with an undim counter and a dim counter; said controller is configured to acquire images at a rate greater than, or equal to, two hundred forty

said controller is further configured such that frames are read out at a rate of 240

Hz or higher;

said controller is further configured to identify an AC powered light source;
said controller is further configured to distinguish between external sources of
light and reflections from the controlled vehicle's head lamps off of various external
objects; wherein said controller is further configured to generate an exterior light control.

- 2. (original) An automatic vehicle exterior light control as in claim 1 wherein said controller is further configured to distinguish a stationary light source from an oncoming head lamp and, or, a leading tail lamp.
- 3. (currently amended) An automatic vehicle exterior light control, comprising:

  an image array sensor configured to capture at least one frame; and
  a controller configured with an undim counter, said controller is further

  configured such that frames are read out at a rate of 240 Hz or higher, said controller is further configured to generate an exterior light control signal as a function of said undim counter.

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- 4. (original) An automatic vehicle exterior light control as in claim 3 wherein said undim counter provides verification of a particular light source with said at least one frame.
- 5. (original) An automatic vehicle exterior light control as in claim 3 wherein said undim counter is configured to increment with each clear frame.
- 6. (original) An automatic vehicle exterior light control as in claim 5 wherein said undim counter is compared to a threshold and said exterior light control signal is an exterior light activation signal when said undim counter is greater than and, or equal to, said threshold.
- 7. (currently amended) An automatic vehicle exterior light control as in claim ± 3 wherein said undim counter is configured to be set to zero with each frame containing an oncoming head lamp or leading tail lamp.
- 8. (currently amended) An automatic vehicle exterior light control, comprising:
  a controller configured with a dim counter, said controller is further configured to
  generate an exterior light control signal as a function of said dim counter, said controller
  is further configured such that frames are read out at a rate of 240 Hz or higher.

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- 9. (original) An automatic vehicle exterior light control as in claim 8 wherein said dim counter provides verification of a particular light source.
- 10. (original) An automatic vehicle exterior light control as in claim 8 wherein said dim counter is configured to increment with each frame comprising a head lamp and, or, a tail lamp.
- 11. (original) An automatic vehicle exterior light control as in claim 10 wherein said dim counter is compared to a threshold and said exterior light control signal is an exterior light deactivation signal when said dim counter is greater than and, or equal to, said threshold.
- 12. (original) An automatic vehicle exterior light control as in claim 8 wherein said dim counter is configured to be set to zero with each clear frame.
- 13. (currently amended) An automatic vehicle exterior light control, comprising:

  an image array sensor and a controller configured to acquire images at a rate

  greater than, or equal to, two hundred forty frames per second, such that frames are read

  out at a rate of 240 Hz or higher, wherein said controller is further configured to generate

  an exterior light control signal as a function of said images.

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- 14. (currently amended) An automatic vehicle exterior light control as in claim 13 wherein said images comprises at least one image comprises fewer than a total number of pixels within said image array sensor.
- 15. (original) An automatic vehicle exterior light control as in claim 13 wherein said controller is further configured to identify an AC powered light source.
- 16. (original) An automatic vehicle exterior light control as in claim 13 wherein said controller is further configured to distinguish a stationary light source from an oncoming head lamp and, or, a leading tail lamp.
- 17. (currently amended) An automatic vehicle exterior light control, comprising: a sensor, and
- a controller configured to receive a signal from said sensor, said controller is

  further configured such that frames are read out at a rate of 240 Hz or higher, said

  controller is further configured to identify an AC powered light source by detecting

  intensity modulation, wherein said controller is further configured to generate an exterior

  light control signal as a function of identifying at least one AC powered light source.
- 18. (original) An automatic vehicle exterior light control as in claim 17 wherein said sensor is an image array sensor, wherein said controller is configured to analyze a plurality of images acquired from said image array sensor.

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- 19. (original) An automatic vehicle exterior light control as in claim 18 wherein said controller is configured to identify intensity modulation.
- 20. (original) An automatic vehicle exterior light control as in claim 17 wherein said sensor is a photodiode.
- 21. (original) An automatic vehicle exterior light control as in claim 20 further comprising a low pass filter.
- 22. (original) An automatic vehicle exterior light control as in claim 20 wherein said controller is further configured to determine the ratio of modulated light versus unmodulated light in a scene.
- 23. (original) An automatic vehicle exterior light control as in claim 17 wherein said controller is further configured to distinguish a stationary light source from an oncoming head lamp and, or, a leading tail lamp.
- 24. (currently amended) An automatic vehicle exterior light control, comprising:

  a controller configured to distinguish between external sources of light and
  reflections from the controlled vehicle's head lamps off of various external objects by
  comparing the relative brightness of imaged objects between two consecutive images
  where the brightness of at least one of said head lamps is varied between each image, said

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controller is further configured such that frames are read out at a rate of 240 Hz or higher to 240 Hz.

- 25. (original) An automatic vehicle exterior light control as in claim 24 wherein said controller is further configured to generate an exterior light control signal as a function of said external sources of light.
- 26. (original) An automatic vehicle exterior light control as in claim 24 wherein said exterior light control signal is configured to vary the intensity of at least one variable intensity head lamp.